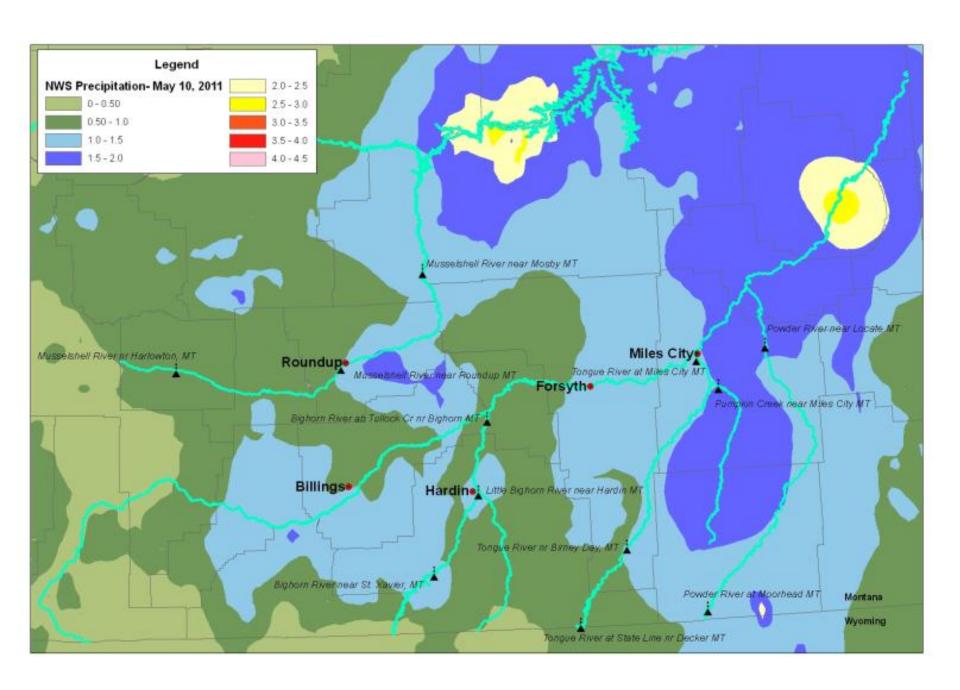
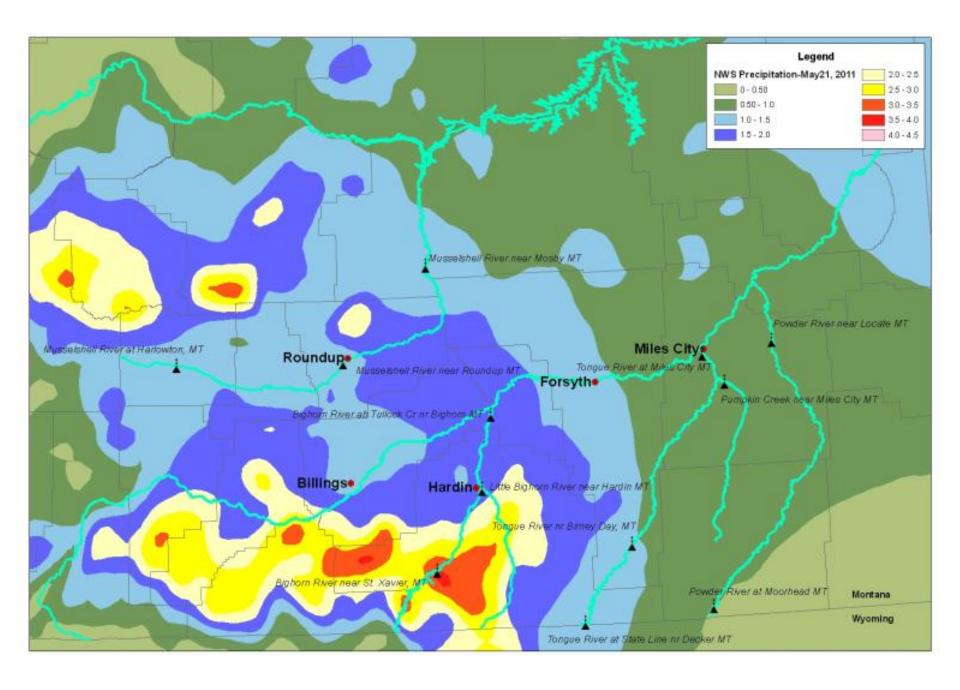
Precipitation and Resulting Flood Flows from May 2011 Precipitation in Southeast Montana

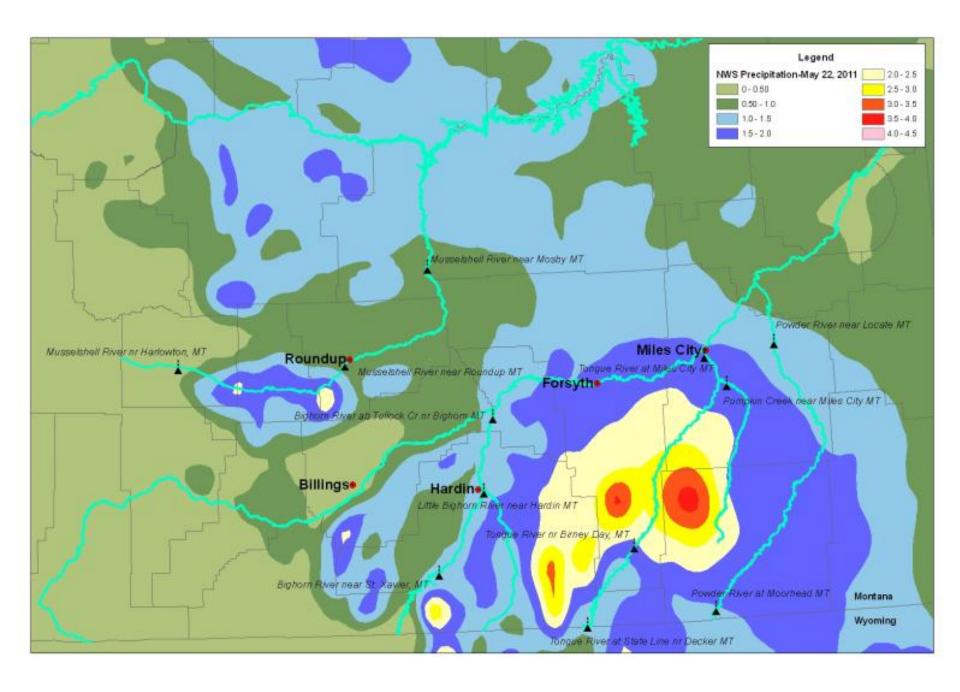
Wayne R. Berkas and

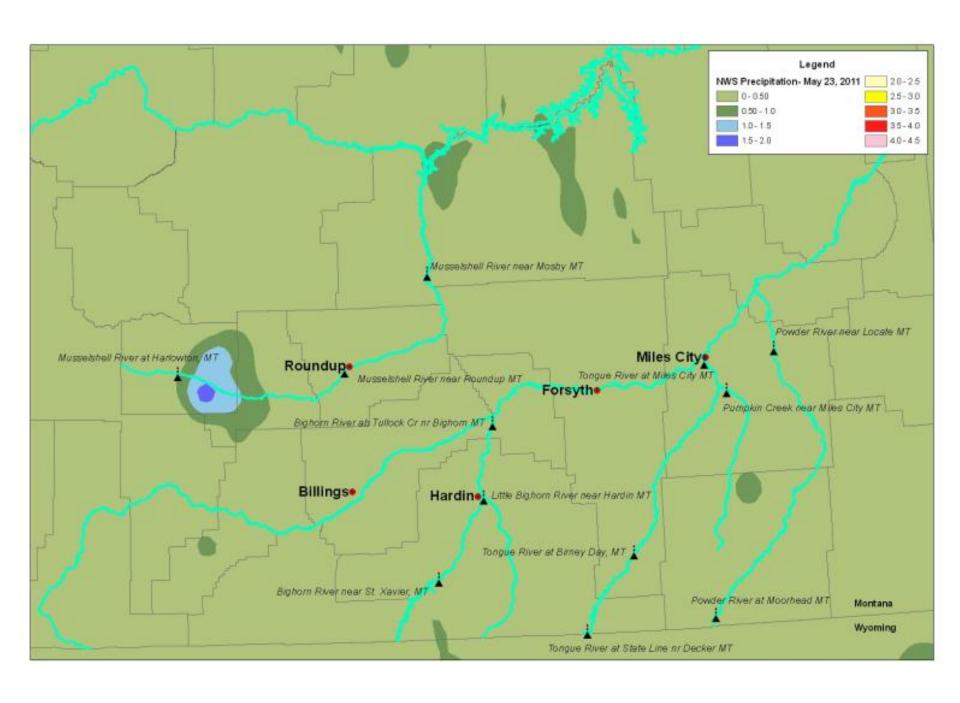
Dennis J. Elliott

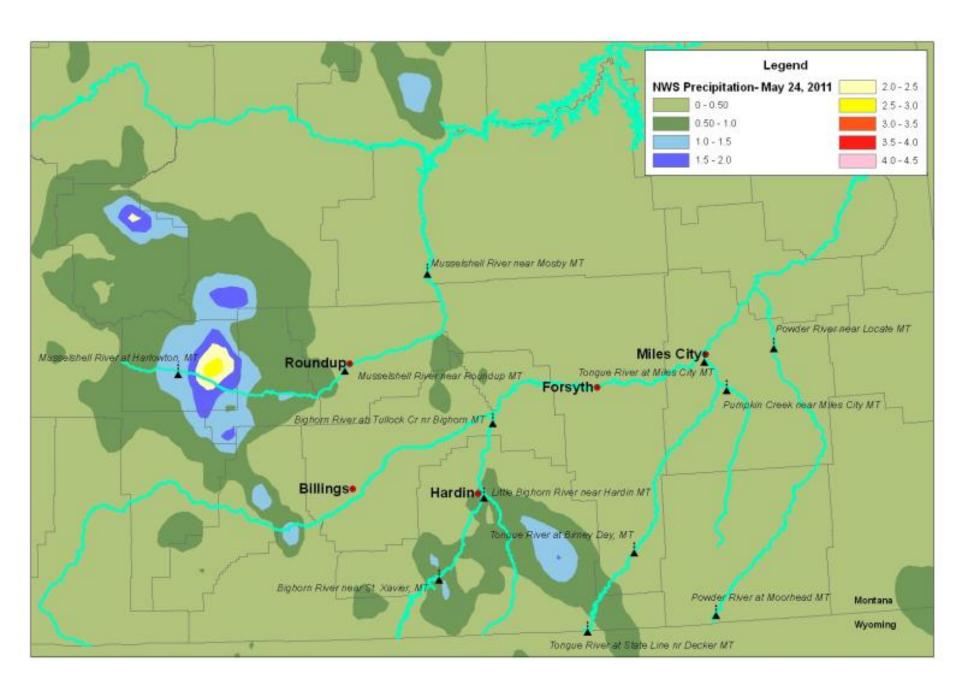
U.S. Geological Survey

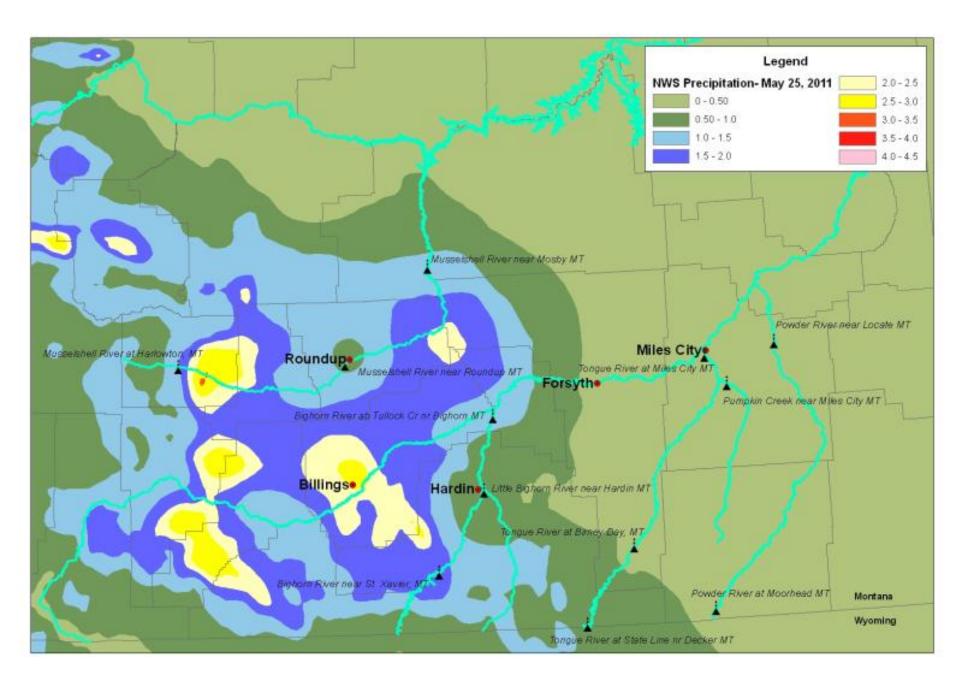




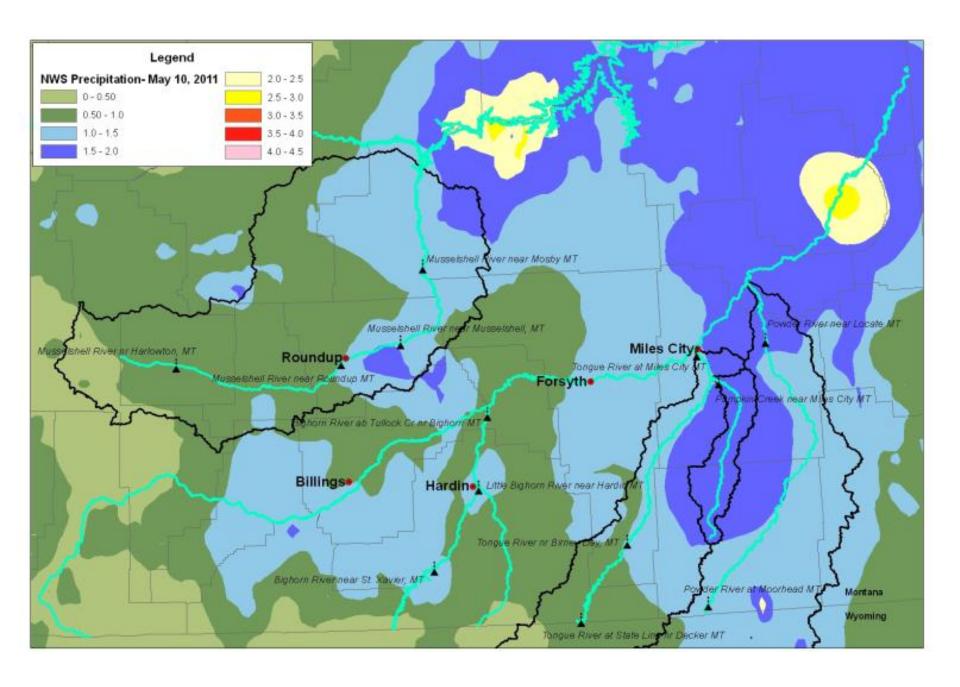




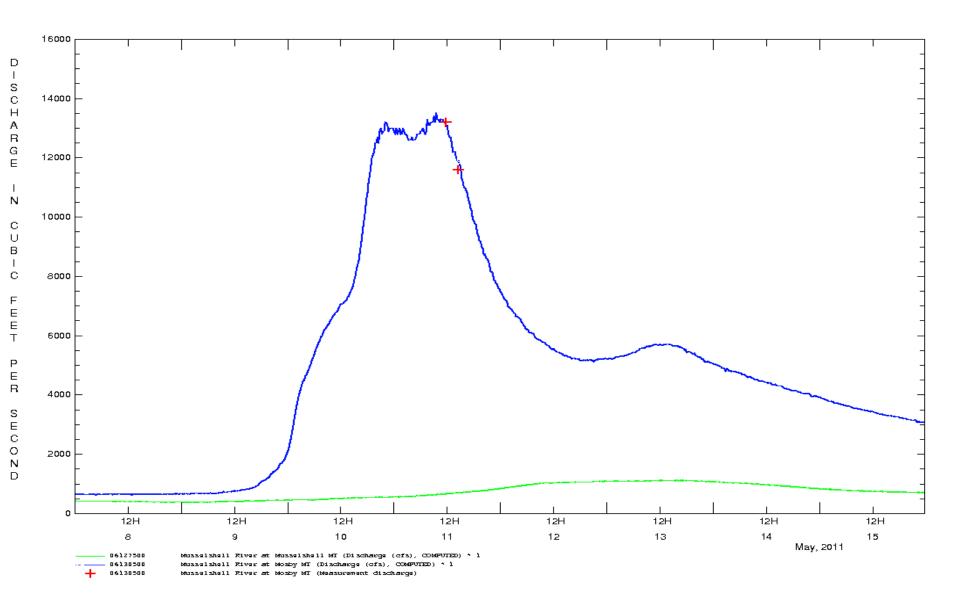




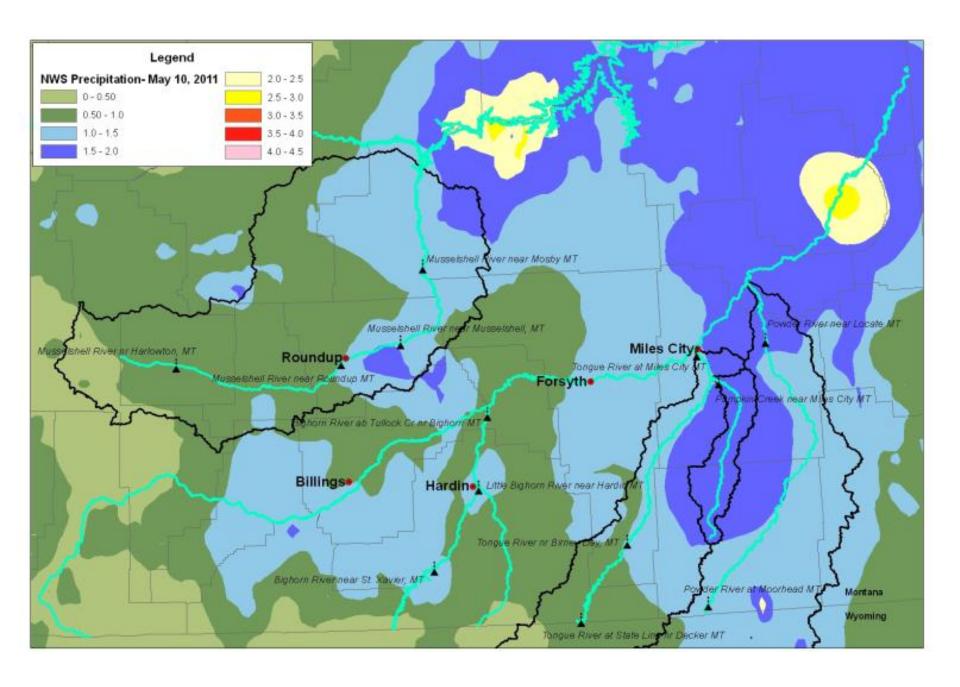
May 10 Precipitation Event in the Musselshell River Basin



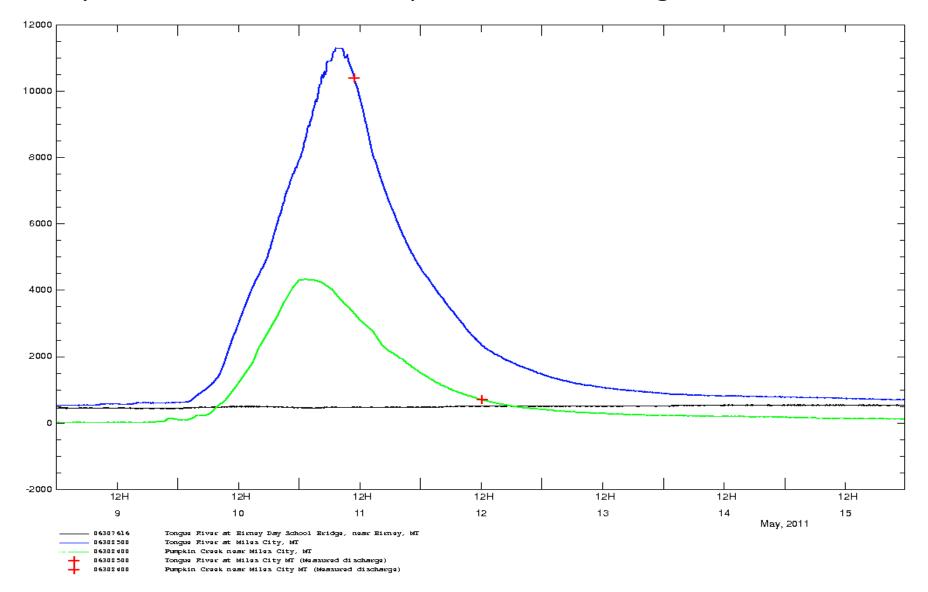
May 10 runoff event on Musselshell River near Mosby



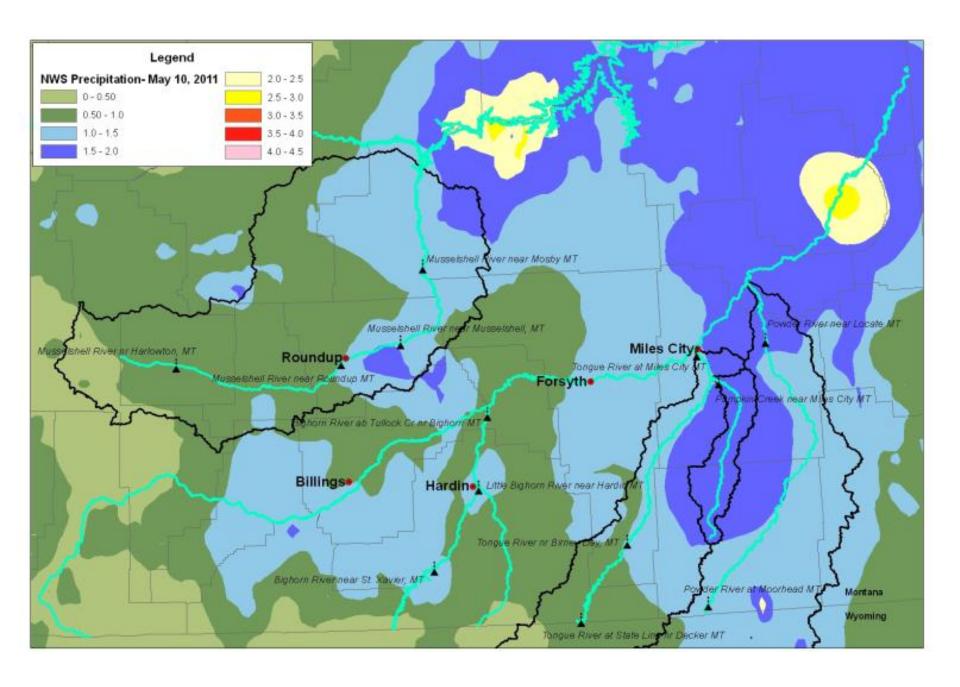
May 10 Precipitation Event in the Pumpkin Creek and Tongue River Basin



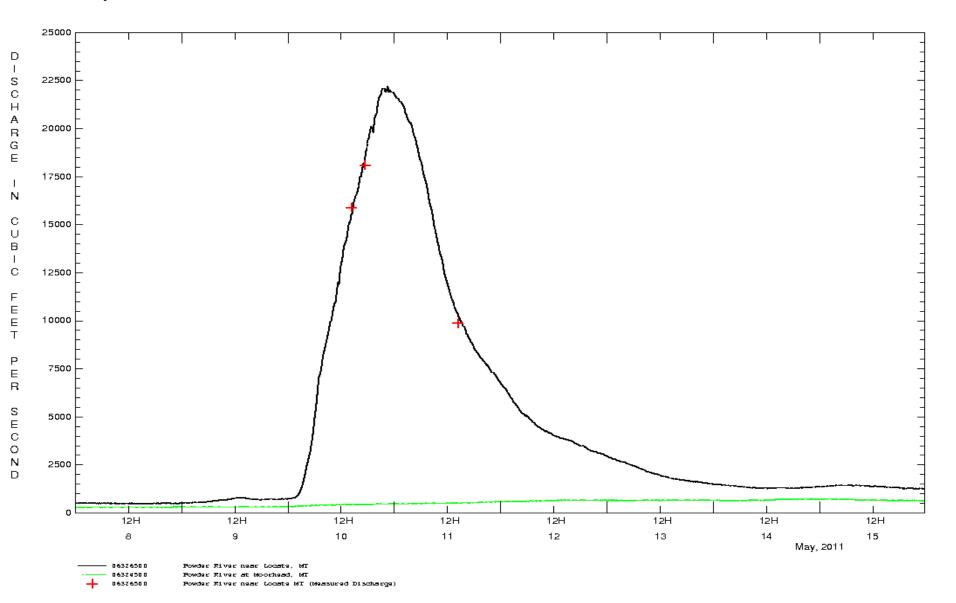
May 10 runoff event on Pumpkin Creek and Tongue River



May 10 Precipitation Event in the Powder River Basin



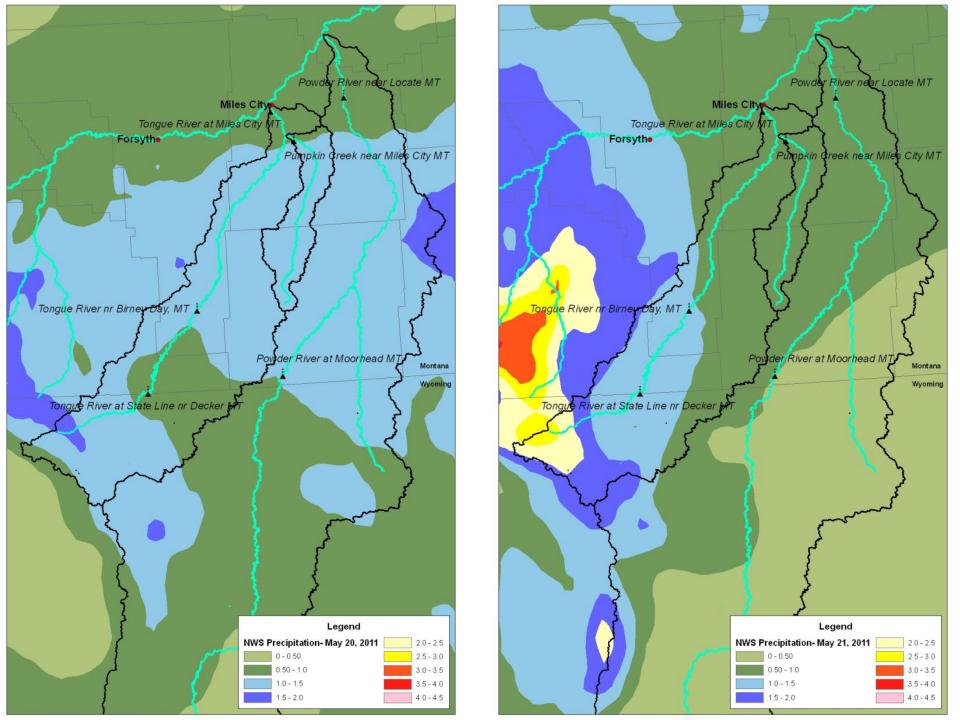
May 10 runoff event on Powder River

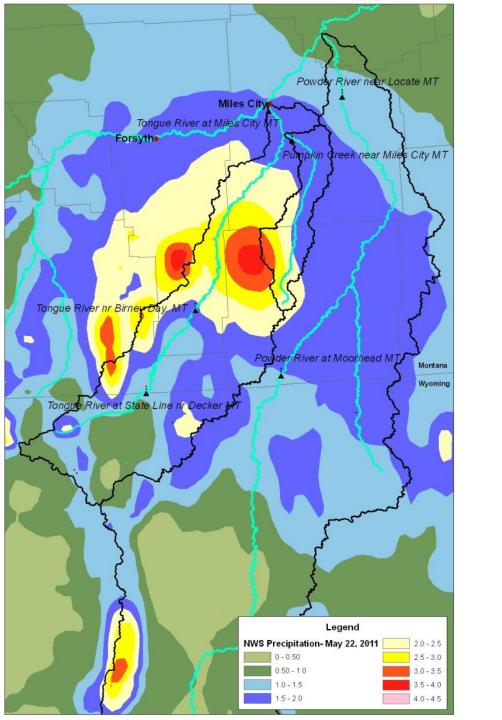


Powder River near Locate on May 10, 2011

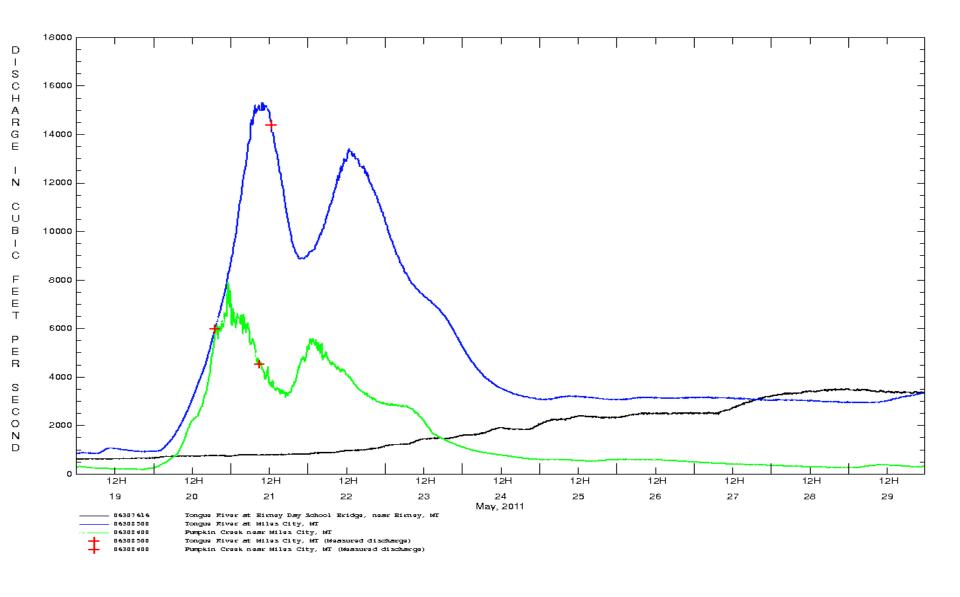


May 20 - 23 Precipitation Events in Pumpkin Creek, Tongue River and Powder River Basins





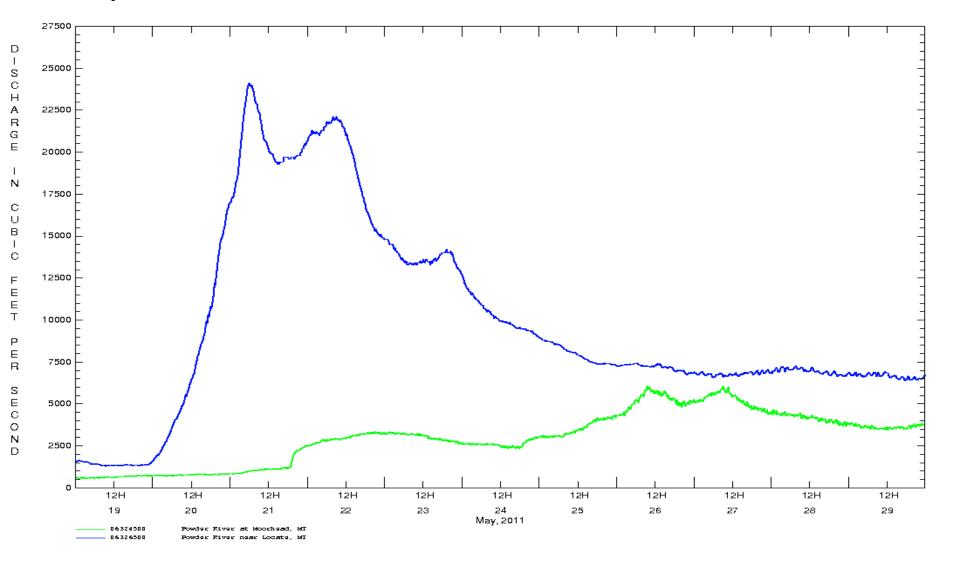
May 20 runoff event on Tongue River and Pumpkin Creek



Pumpkin Creek near Miles City on May 20, 2011



May 20 runoff event on the Powder River



Pumpkin Creek, Tongue River, and Powder River Flows

Pumpkin Creek near Miles City

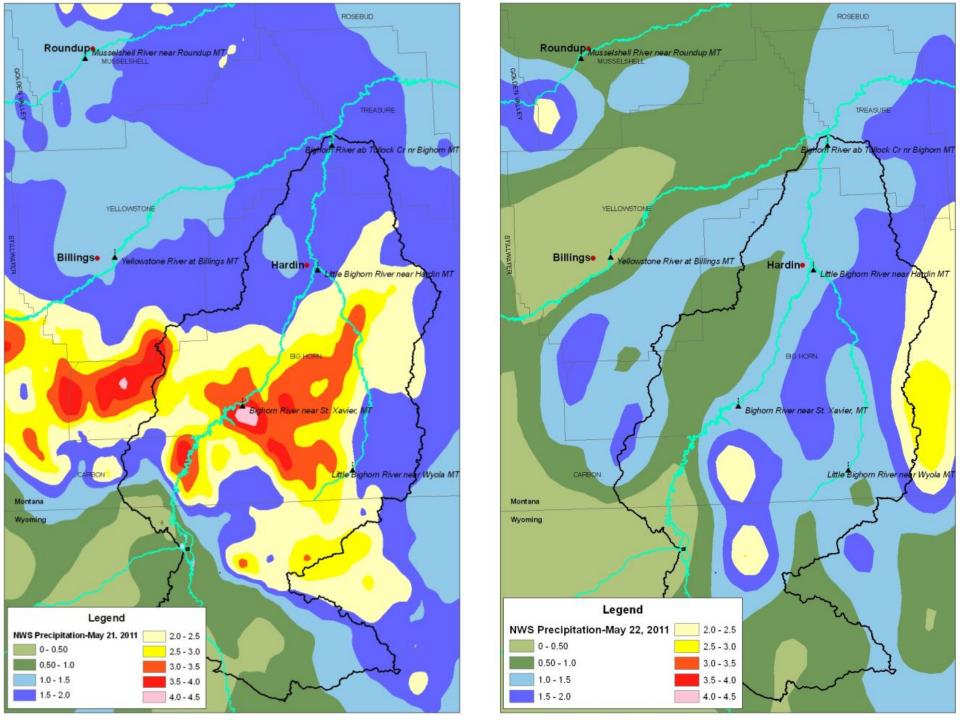
7,900 ft³/s on May 20, 2011 Highest in 20 years of record

Tongue River at Miles City

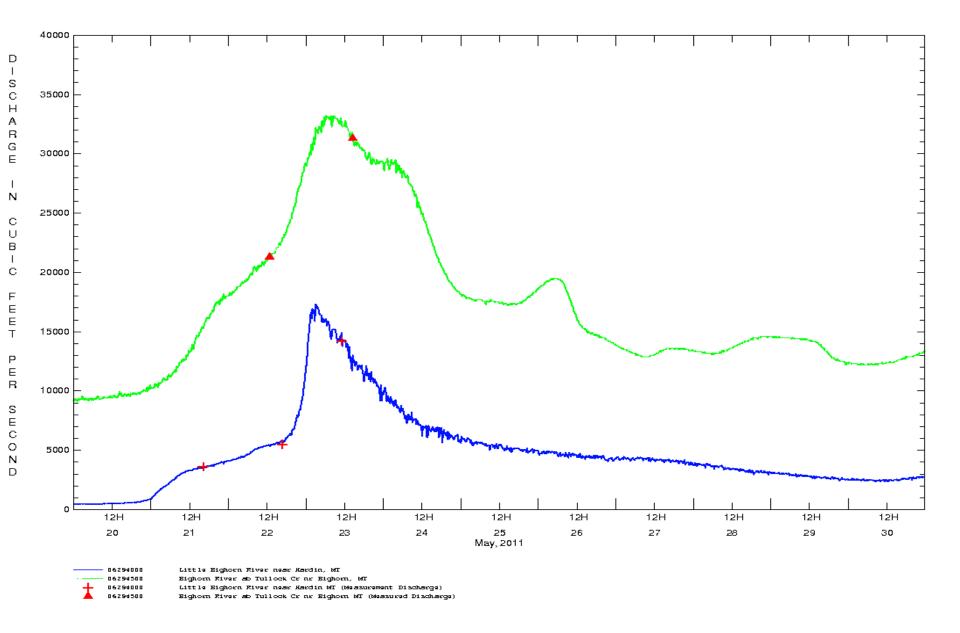
15,300 ft³/s on May 21, 2011 Highest in 69 years of record

Powder River near Locate
24,100 ft3/s on May 21, 2011
5th highest of 72 years of record

May 21 and 22 Precipitation Events in the Bighorn Basin



May 21 runoff event on Bighorn River Drainage



Little Bighorn River near Hardin on May 23, 2011



Bighorn River above Tullock Creek, near Bighorn on May 22, 2011



Bighorn River Basin Flows

Little Bighorn River near Hardin

17,300 ft³/s on May 23, 2011

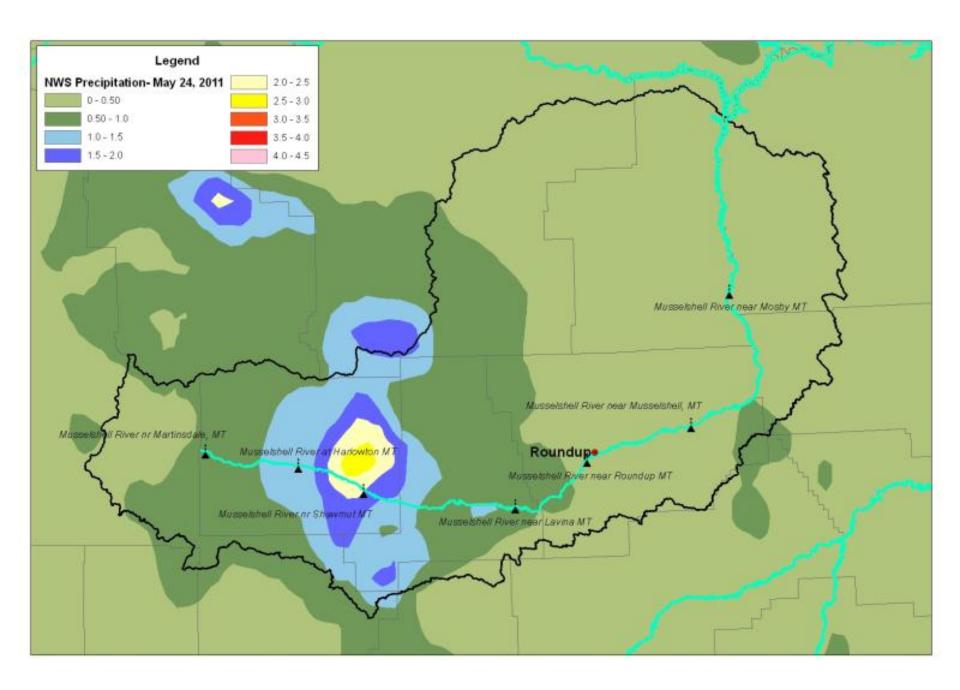
2nd highest in 57 years of record

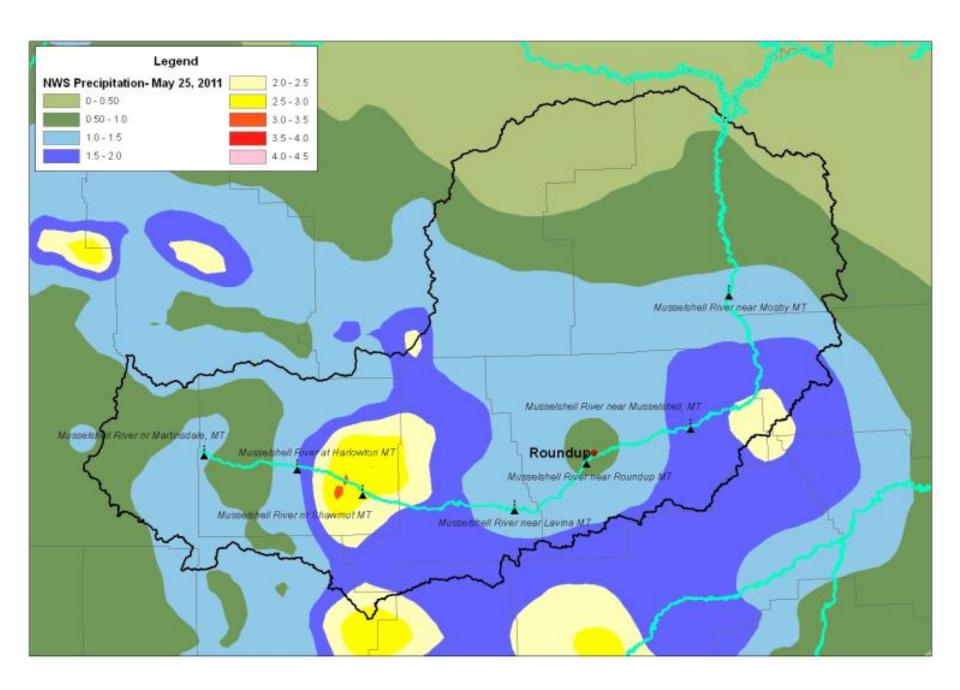
Bighorn River above Tullock Creek, near Bighorn

33,200 ft³/s May 23, 2011

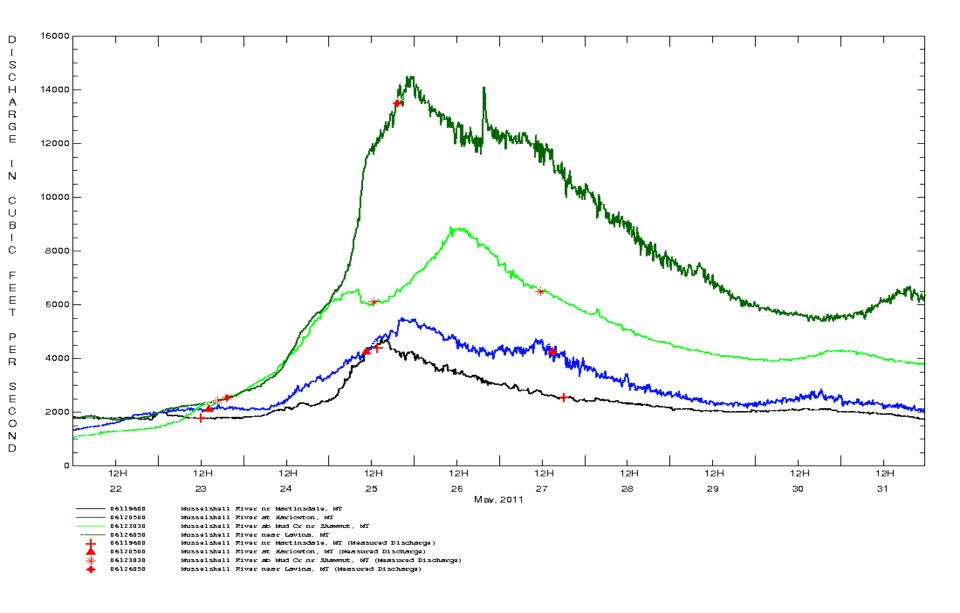
2nd highest in 66 years of record

May 24 and 25 Precipitation Events in the Musselshell Basin

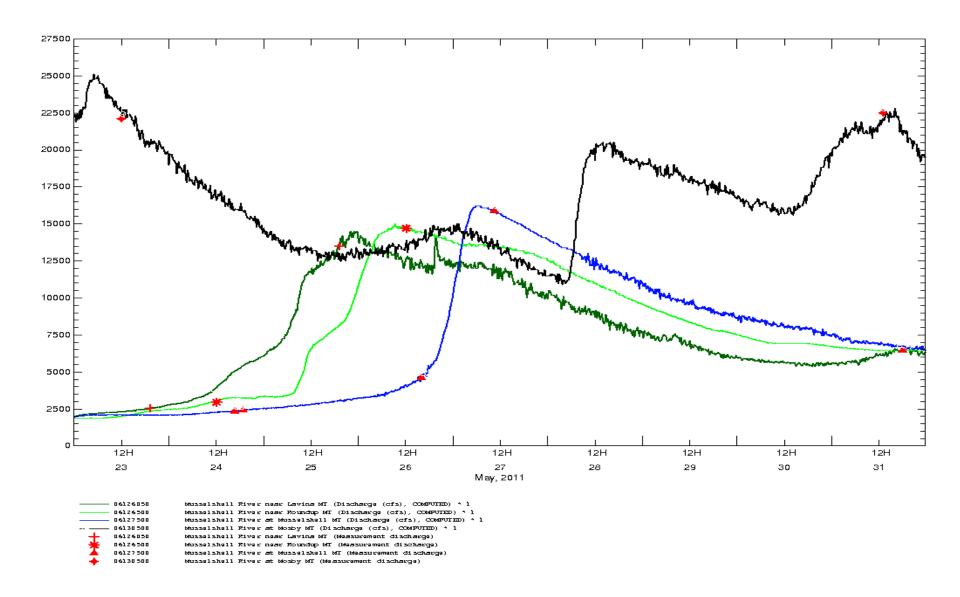




May 24 runoff event on the Upper Musselshell River



May 24 runoff event on the Lower Musselshell Rivers



Musselshell River near Martinsdale on May 23, 2011



Musselshell River at Harlowton on May 23, 2011



Musselshell River near Lavina on May 26 and June 16, 2011



Musselshell River at Musselshell on May 27, 2011



Musselshell River near Mosby on May 23, 2011



Musselshell River Basin Flows

Musselshell River near Martinsdale

4,780 ft³/s on May 25, 2011 Highest in 9 years of record

Musselshell River at Harlowton

5,520 ft³/s May 25, 2011 2nd highest in 64 years of record

Musselshell River above Mud Creek, near Shawmut

8,900 ft³/s May 25, 2011 Highest in 12 years of record

Musselshell River near Lavina

14,500 ft³/s May 25, 2011 Highest in 19 years of record

Musselshell River Basin Flows

Musselshell River near Roundup

15,000 ft³/s on May 26, 2011 Highest in 64 years of record

Musselshell River at Musselshell

16,200 ft³/s May 27, 2011 Highest in 66 years of record

Musselshell River near Mosby

25,100 ft³/s May 23, 2011 Highest in 79 years of record